

**In the Claims:**

Please cancel claims 21, 22, 27, 28, 38-42 and 51-54, without prejudice to the inclusion of the same or different subject matter in a later filed divisional or continuation application. Please amend claims 23-26, 29-37, 43, 45-47, 55, and 56 as shown in the Listing of the Claims section, below. A clean copy of the claims is attached for the Examiner's convenience as Appendix B.

**Listing of the Claims:**

1.-22. CANCELED

23. (Currently Amended) A method for inducing an anti-tumor response in a ~~mammalian~~ human patient suffering from a tumor, which method comprises administering to the patient in the following order:

(a) on the first day of treatment, a first composition comprising [[a]] from about  $2 \times 10^5$  to  $2.5 \times 10^8$  ~~haptized~~ of at least one of autologous tumor cells or autologous tumor cell extract equivalents which corresponds to from about  $2 \times 10^5$  to  $2.5 \times 10^6$  tumor cells free from any adjuvant;

(b) four to seven days after initiation of the treatment, cyclophosphamide; and

(c) at least one week after initiation of the treatment, a second composition comprising an adjuvant and [[a]] from about  $2 \times 10^5$  to about  $1 \times 10^7$  ~~haptized~~ of at least one of autologous tumor cells or tumor cell equivalents, wherein said tumor cells or tumor cell equivalents are conjugated to hapten, wherein the hapten is selected from the group consisting of dinitrophenyl, trinitrophenyl, N-iodoacetyl-N'-(5-sulfonic 1-naphthyl) ethylene diamine, trinitrobenzenesulfonic acid, fluorescein isothiocyanate, arsenic acid benzene isothiocyanate, sulfanilic acid, arsanilic acid, dinitrobenzene-S-mustard and combinations thereof,

wherein said method results in at least one of an anti-tumor response, therapeutic regression of a tumor or prevention of tumor progression.~~extract which corresponds to from about  $2 \times 10^5$  to about  $1 \times 10^7$  tumor cells.~~

24. (Currently Amended) The method in claim 23, in which the adjuvant in said step (c) is *Bacille Calmette-Guerin*.

25. (Currently Amended) The method of claim ~~[[24]]~~23, wherein the tumor cells or tumor cell ~~extract~~ equivalents in said step (a) ~~[[is]]~~ are haptенized with a hapten selected from the group consisting of dinitrophenyl, trinitrophenyl, N-iodoacetyl-N'-(5-sulfonic 1-naphthyl) ethylene diamine, trinitrobenzenesulfonic acid, fluorescein isothiocyanate, arsenic acid benzene isothiocyanate, sulfanilic acid, arsanilic acid, dinitrobenzene-S-mustard and combinations thereof.

26. (Currently Amended) The method of claim ~~[[24]]~~23, wherein the tumor cells or tumor cell ~~extract~~ equivalents ~~[[is]]~~ in said step (a) are a mixture of haptенized and non-haptенized tumor cells or tumor cell ~~extract~~equivalents.

27. CANCELED

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29. (Currently Amended) The method of claim ~~[[28]]~~23, ~~in which~~ wherein the hapten is dinitrophenyl.

30. (Currently Amended) The method of claim ~~[[24]]~~23, wherein the tumor cell ~~extract~~ equivalents in said step (a) or said step (c) ~~comprise~~ comprises tumor cell membrane components.

31. (Currently Amended) The method of claim ~~[[24]]~~23, wherein the tumor cell ~~extract~~ equivalents in said step (a) or said step (c) ~~comprise~~ comprises tumor cell polypeptides.

32. (Currently Amended) The method of claim ~~[[24]]~~23, wherein the tumor cells or tumor cell ~~extracts~~equivalents originate from a tumor selected from the group consisting of melanoma, ovarian cancer, colon cancer, breast cancer, rectal cancer, lung cancer, kidney cancer, prostate cancer, and leukemia.

33. (Currently Amended) The method of claim ~~[[24]]~~32, wherein the tumor is melanoma.

34. (Currently Amended) The method of claim ~~[[24]]~~32, wherein the tumor is ovarian cancer.

35. (Currently Amended) The method of claim ~~[[24]]~~23, wherein the tumor cell or tumor cell equivalents are rendered incapable of growth or multiplication *in vivo*.

36. (Currently Amended) The method of claim ~~[[34]]~~35, wherein the tumor cell or tumor cell equivalents are rendered incapable of growth or multiplication *in vivo* by irradiation.

37. (Currently Amended) The method of claim ~~[[34]]~~35, wherein the tumor cells or tumor cell equivalents are rendered incapable of growth or multiplication *in vivo* by haptenization.

38.-42. CANCELED

43. (Currently Amended) The method of claim 23, wherein the adjuvant in said step (c) is selected from the group consisting of *Bacille Calmette-Guerin*, Q-21, and detoxified endotoxin.

44. (Previously Presented) The method of claim 23, wherein the patient is a human.

45. (Currently Amended) The method of claim 23, wherein the ~~immunomodulatory agent~~cyclophosphamide is administered 5 to 7 days after ~~initiation of the treatment-~~administration of the first composition.

46. (Currently Amended) A method for inducing an anti-tumor response in a ~~mammalian~~ human patient suffering from a tumor, which method comprises administering to the patient in the following order:

(a) a composition comprising a ~~hapttenized or a non-hapttenized tumor cell comprising~~ from about  $2 \times 10^5$  to about  $2.5 \times 10^6$  of at least one of tumor cells or tumor cell equivalents per dose, without any adjuvant, wherein the tumor cells or tumor cell equivalents are conjugated to a hapten, and rendered incapable of growth or multiplication in vivo;

(b) cyclophosphamide; and

(c) ~~prior to~~ a second composition comprising an adjuvant and a ~~tumor cell, which second composition contains~~ from about  $2 \times 10^5$  to about  $2.5 \times 10^6$  of at least one of tumor cell cells or tumor cell equivalents, wherein the tumor cell or tumor cell equivalents are conjugated to a hapten,

wherein the hapten in steps (a) and (c) is the same or different, and is selected from the group consisting of dinitrophenyl, trinitrophenyl, N-iodoacetyl-N'-(5-sulfonic 1-naphthyl) ethylene diamine, trinitrobenzenesulfonic acid, fluorescein isothiocyanate, arsenic acid benzene isothiocyanate, sulfanilic acid, arsanilic acid, dinitrobenzene-S-mustard and combinations thereof, and

wherein said method results in at least one of an anti-tumor response, therapeutic regression of a tumor or prevention of tumor progression.

47. (Currently Amended) The method of claim 46, wherein the hapten in said steps (a) and (c) is selected from the group consisting of dinitrophenyl, ~~trinitrophenyl, N-iodoacetyl-N'-(5-sulfonic 1-naphthyl) ethylene diamine, trinitrobenzenesulfonic acid, fluorescein~~

~~isothiocyanate, arsenic acid benzene isothiocyanate, sulfanilic acid, arsanilic acid, dinitrobenzene S-mustard and combinations thereof.~~

48. (Previously Presented) The method of claim 46, wherein the tumor is melanoma.

49. (Previously Presented) The method of claim 46, wherein the tumor is ovarian cancer.

50. (Previously Presented) The method of claim 46, wherein the adjuvant is selected from the group consisting of *Bacille-Calmette-Guerin*, Q-21, and detoxified endotoxin.

51.-54. CANCELED

55. (Currently Amended) A method for inducing an anti-tumor response in a mammalian patient suffering from a tumor, which, method comprises administering to the patient:

(a) on the first day of treatment, a composition comprising ~~a haptenized autologous tumor cell which corresponds to~~ from about  $2 \times 10^5$  to  $2.5 \times 10^6$  haptenized autologous tumor cells free from any adjuvant;

(b) four to seven days after initiation of the treatment, cyclophosphamide; and

(c) at least one week after initiation of the treatment, a second composition comprising an adjuvant and ~~a haptenized autologous tumor cell which corresponds to~~  $2 \times 10^5$  to  $1 \times 10^7$  haptenized autologous tumor cells

wherein the cells in said steps (a) and (c) are haptenized with dinitrophenyl, and

wherein said method results in at least one of an anti-tumor response, therapeutic regression of a tumor or prevention of tumor progression.

56. (Currently Amended) The method of claim 55, in which the adjuvant in said step (c) is *Bacille Calmette-Guerin*.